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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/617,470	07/11/2003	Yi-Shing Chang	N1085-00152	3489
8933	7590 09/01/2004		EXAMINER	
DUANE MORRIS, LLP			NHU, DAVID	
IP DEPARTM ONE LIBERT			ART UNIT	PAPER NUMBER
PHILADELPHIA, PA 19103-7396			2818	
			DATE MAILED: 09/01/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/617,470	CHANG ET AL.				
Office Action Summary	Examiner	Art Unit				
	David Nhu	2818				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 02 August 2004.						
2a) ☐ This action is FINAL . 2b) ☒ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
					Disposition of Claims	
4) Claim(s) 1-20 is/are pending in the application.						
4a) Of the above claim(s) <u>6-11</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-5, 12-20</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) ☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
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Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	te				
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal P	atent Application (PTO-152)				

DETAILED ACTIONS

Election/Restrictions

Applicant's election of Group I (Claims 1-5, 12-20) is acknowledge.

Claims 1-5, 12-20 are remained for examination. Accordingly, claims 6-11 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Abstract

1. The abstract of the disclosure is objected to because legal phraseology such as "comprise" is used. Correction is required. See MPEP & 608.01(b).

Specifications

2. Page 6, line 0019, "a cross-section of the device" should be -- a cross-section of the device 300-- See figure 3a.

Page 8, line 0030, "the first opening 412" should be –the first opening 410-- See page 7, line 0028.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 1-5, 12-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

5. Claims 1, 5, "the width, the narrowest region, the floating gate layer" lack a clear antecedent basis.

Claim 12, "the width, the width of the narrowest region" lack a clear antecedent basis.

Claims Objection

6. Claims 1, 12, "forming a third oxide layer in the first and second openings, the third oxide layer conforming to a contour thereof; removing a portion of the third oxide layer and the first oxide layer to make a third opening; and depositing a control gate material in the third opening (as cited in claim 1); forming a spacer oxide layer in the first and second openings, the spacer oxide layer conforming to a contour thereof; removing a portion of the spacer oxide layer and the coupling oxide layer to make a third opening; and depositing a control gate material through the third opening" which are not described/supported in the specifications.

Conclusion

- 7. A shortened statutory period for response to this action is set to expired 3 (three) months and 0 (zero) day from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned (see 710.02 (b)).
- 8. Any inquiry concerning this communication on earlier communications from the examiner should be directed to David Nhu, (571)272-1792. The examiner can normally be reached on Monday-Friday from 7:30 AM to 5:00 PM. The examiner's supervisor, David Nelms can be reached on (571)272-1787.

The fax phone number for the organization where this application or proceeding is assigned is (703)872-9306.

Application/Control Number: 10/617,470

Art Unit: 2818

Any inquiry of a general nature or relating to the status of this application or proceeding should

be directed to the receptionist whose telephone number is (703) 308-0956

David Nhu 🛼

August 30, 2004

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